

United States Environmental Protection Agency

**WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN,
OR PLUGGING AND ABANDONMENT AFFIDAVIT**

Name and Address, Phone Number and/or Email of Permittee

Merit Energy Company, LLC
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Permit or EPA ID Number

WY20837-02175

API Number

49-013-21497

Full Well Name

Shoshone 65-68

State

Wyoming

County

Fremont

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude 43.5361744

Surface Location

SE 1/4 of SW 1/4 of Section 36 Township 7N Range 3W

Longitude -109.0644804

1250 ft. from (N/S) S Line of quarter section

2310 ft. from (E/W) W Line of quarter section.

Well Class

Timing of Action (pick one)

Type of Action (pick one)

☐ Class I☐ Notice Prior to Work☐ Well Rework☒ Class II

Date Expected to Commence

☒ Plugging and Abandonment☐ Class III☒ Report After Work☐ Conversion to a Non-Injection Well☐ Class V

Date Work Ended 5/24/2022

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Merit Energy Company submits the attached daily reports and wellbore diagram following plug and abandonment activities.

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title (Please type or print)

Eric Kittinger, Senior Regulatory Analyst

Signature

Date Signed

06/07/2022

INSTRUCTIONS FOR FORM 7520-19

This form replaces forms 7520-12 and 7520-14. Use this form only when work is planned or has occurred that affects the well's construction or operation as an injection well, including work on the casing, tubing or packer (or for shallow Class V wells, the subsurface fluid emplacement network). Use one form per injection well. While reports or other information developed by contractors or service companies may be attached, this form must be signed by a responsible entity as described at 40 CFR 144.32. Note: operators closing Class V wells should use Form 7520-17.

NAME, ADDRESS, PHONE AND/OR EMAIL OF PERMITTEE: Enter the name and street address, city/town, state, and ZIP code of the permittee. Also provide an email address (if available) and/or a phone number.

PERMIT OR EPA ID NUMBER: Enter the well identification number or permit number assigned to the well by the EPA or the permitting authority.

API NUMBER: Enter the number assigned by the local jurisdiction (usually a State Oil and Gas Agency) using the American Petroleum Institute standard numbering system.

FULL WELL NAME: Enter the full name of the well or project.

Enter the **STATE** and **COUNTY** where the well is located. For States that do not have counties, use the name of that State's equivalent jurisdiction at a more local level.

WELL LOCATION: Fill in the complete township, range, and section to the nearest quarter-quarter section. A township is north or south of the baseline, and a range is east or west of the principal meridian (e.g., T12N, R34W). Also include the distance, in feet, from the nearest north or south line and nearest east or west line of the quarter-section. Also, enter the **latitude** and **longitude** of the well in decimal degrees, to five or six places if possible; be sure to include a negative sign for the longitude of a well in the Western Hemisphere and a negative sign for the latitude of a well in the Southern Hemisphere.

Enter the **WELL CLASS**, i.e., the class of injection well as defined in 40 CFR 144.6.

TIMING OF THE ACTION: Check *Notice prior to work* if the activity has not yet occurred (i.e., is planned). Check *Report after work* if the activity described has already occurred. As appropriate, include the date the activity is expected to start or the date the activity was completed. (Note this may not be available, e.g., for a plugging plan submitted with a permit application.)

TYPE OF ACTION: Check the appropriate box to describe the kind of activity being reported. Check *Well Rework* for work that was/will be performed on the well after it has already been in operation as an injection well. Check *Plugging and Abandonment* to report on plans for or descriptions of final closure/plugging after use as an injection well. Check *Conversion to a Non-injection Well* if the well is to be converted to something other than an injection well.

Provide a **NARRATIVE DESCRIPTION** of the work planned to be performed, or that was performed. The narrative should include a description of the main procedures planned or that occurred during the work activity. A service company report, daily report, or similar document may be attached if it includes all the requested information and is clear and legible.

For well reworks, include the following information: The reason for the well rework; depths of activity; type of activity; changes to injection well configuration, well casing, or cement behind casing; any plug added to the well and its depth; any newly drilled interval and its depth; method(s) to demonstrate that the well has mechanical integrity (as applicable); and any deviations from the approved rework plan (as applicable).

For a well plugging plan, include the following information: Reason for the well plugging; number of plugs placed, and their depths; materials used as plugs (e.g., cast iron bridge plug, cement, cement retainer); method to set plugs; and wait-on-cement times, if any. Also provide one or more cost estimates from an independent firm in the business of plugging and abandoning wells to plug the well as described in the plan.

For well plugging affidavit, include the following information: Reason for the well plugging; number of plugs placed, and their depths; materials used as plugs (e.g., cast iron bridge plug, cement, cement retainer); method to set plugs; wait-on-cement times, if any; and any deviations from the approved plugging plan (if applicable).

For conversion to a non-injection well, include the following information: Depths of activity; type of activity; changes to injection well configuration, well casing, or cement behind casing; any plug added to the well and its depth; any newly drilled interval and its depth; depths of new perforations; and method(s) to demonstrate that the well has mechanical integrity (as applicable).

For all of the above activities, include a well sketch depicting the work, results of well tests/logging performed, service company tickets, and any other available information demonstrating how the work was/is to be performed. Also, specify whether depths are below ground surface, relative to Kelly bushing, etc.

CERTIFICATION: This form must be signed and dated by either: a responsible corporate officer for a corporation, by a general partner for a partnership, by the proprietor of a sole proprietorship, or by a principal executive or ranking elected official for a public agency.

PAPERWORK REDUCTION ACT NOTICE: The public reporting and recordkeeping burden for this collection of information is estimated to average between 6.0 and 7.9 hours per response, depending on the injection well class. Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

Well Name: Shoshone 65 68

Daily Operations

Report Start Date 4/27/2022	Primary Activity
Operations Summary MORU. ND flowline, RU workfloor and tongs. Release AD-1 pkr. Spot in trailer. LD 50 jts 2-3/8" tbg to TOH. LD pkr. Secure well w/ last jt. PU tools/location. RDMO.	
Report Start Date 5/17/2022	Primary Activity
Operations Summary Complete orientation. MiRUSU. Spot in equipment on location, N/D well head, N/U BOP, SIW, SDFN.	
Report Start Date 5/18/2022	Primary Activity
Operations Summary Spot in work string & tank. Tally 2 3/8 tbg, P/U 5 1/2 B&S, TIH & tag @ 1700' w/ 55 jts, L/D 8 jts & stand back 23 stands & 1 single, P/U 5 1/2 C/CR, TIH w/ 47 jts & 2-10' subs & set C/CR @ 1470', Sting out, R/U pump truck & hoses, Tie onto tbg & roll hole clean w/ 40 bbls of fresh water, Shut in 5 1/2 csg valve, MIT 5 1/2 csg @ 500 psi for 10 min test passed, Sting in & est injection rate w/ 3 bbl/min @ 300 psi, SIW, SDFN.	
Report Start Date 5/23/2022	Primary Activity
Operations Summary Sting into C/CR & est rate @ 3bbl/min @ 300 psi, Mix & pump 70 sx of cement, Pump 45 sx of cement below w/ 3bbl/min @ 0 psi, Sting out & spot 25 sx on top, L/D 10 jts & 2-10' subs, Mix & pump 17.5 bbls of 9 ppg mud from 1143'-400', L/D 37 jts, Dig out 8 5/8 surface valve, R/U wire line, RIH & perf @ 200', R/D wire line, Tie onto 5 1/2 csg & est circ, Mix & pump 65 sx of cement in 5 1/2 & up 8 5/8 csg to surface w/ good cement returns, SIW, SDFN.	
Report Start Date 5/24/2022	Primary Activity
Operations Summary RDMOSU, Dig out around well head, Cut off 8 5/8 x 5 1/2 csg 3' BGL, RIH w/ 1" polly in 8 5/8 csg. Mix & pump 5 sx of cement to surface, RIH w/ 1" polly 30' in 5 1/2 csg, Mix & pump 5 sx of cement to surface, Weld on plate w/ well legals, Back fill cellar & wash up pit, Dig up anchors & back fill, Clean up location & move equipment.	

Well Name: Shoshone 65 68

API/IWI 490132149700	Lease Line Legal Desc SESW Sec. 36, 7N-3W	Field Name Circle Ridge	License #	State WYOMING	Well Configuration Type
Original KB Elevation (ft) 7,219.00	KB-Tubing Head Distance (ft) 7,219.00	Original Spud Date 1/1/1900 00:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Most Recent Job

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Secondary Job Type	Job Start Date 4/27/2022	Job End Date
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TD: 1,720.0

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